

**PRINTED CIRCUIT EMBEDDED CAPACITORS****Abstract of the Disclosure**

5 One of a plurality of capacitors embedded in a printed circuit structure includes  
a first electrode (415) overlaying a first substrate layer (505) of the printed  
circuit structure, a crystallized dielectric oxide core (405) overlaying the first  
electrode, a second electrode (615) overlying the crystallized dielectric oxide  
10 core, and a high temperature anti-oxidant layer (220) disposed between and  
contacting the crystallized dielectric oxide core and at least one of the first and  
second electrodes. The crystallized dielectric oxide core has a thickness that is  
less than 1 micron and has a capacitance density greater than 1000 pF/mm<sup>2</sup>.  
The material and thickness are the same for each of the plurality of capacitors.  
The crystallized dielectric oxide core may be isolated from crystallized dielectric  
15 oxide cores of all other capacitors of the plurality of capacitors.